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National Toxicology Program; Chemicals (7) Nominated for Toxicology Studies: Request for Comments

SUMMARY: On October 23, 1985, the Chemical Evaluation Committee (CEC) of the **National Toxicology Program** (NTP) met to review seven chemicals nominated for toxicology studies and to recommend the types of testing to be performed. With this notice, the NTP solicits public comment on the seven chemicals listed herein.

FOR FURTHER INFORMATION AND SUBMISSION OF COMMENTS, CONTACT: Dr. Victor A. Fung, Chemical Selection Coordinator, **National Toxicology Program,** Room 2B55, Building 31, National Institutes of Health, Bethesda, Maryland 20892, (301) 496-3511.

TEXT: SUPPLEMENTARY INFORMATION: As part of the chemical selection process of the National Toxicology Program, nominated chemicals which have been reviewed by the NTP Chemical Evaluation Committee (CEC) are published with request for comment in the Federal Register. This is done to encourage active participation in the NTP chemical evaluation process, thereby helping the NTP to make more informed decisions as to whether to select, defer or reject chemicals for toxicology study. Comments and data submitted in response to this request are reviewed and summarized by NTP Executive Committee for its decision-making about testing. The NTP technical staff, are forwarded to the NTP Board of Scientific Counselors for use in their evaluation of the nominated chemicals, and then to the NTP chemical selection process is summarized in the Federal Register, April 14, 1981 (46 FR 21828), and also in the NTP FY 1985 *Annual* Plan, pages 201-202.

Chemical	CAS No.	Committee recommendation
1. n-Butyl acrylate	141-32-2	Subchronic study. Carcinogenicity. Chemical disposition. Reproductive studies. Mutagenicity, including *Drosophila* and in *vitro* cytogenetics.
2. t-Butylhydroquinone	1948-33-0	Carcinogenicity.
3. Methyl ehtyl ketoxime	96-29-7	In-depth toxicological evaluation to include behavioral studies by inhalation route. *In vitro* cytogenetics.
4. a -Methylstyrene	98-83-9	In-depth toxicological evaluation. Short-term *in vivo* reproductive toxicity studies. *In vitro* cytogenetics.
5. Styrene	100-42-5	Carcinogenicity by inhalation route.
6. Tung oil	8001-20-5	No testing.
7. 12-O-Hexadecanoyl-16-hydroxyphorbol-13-acetate	53202-98-5	No testing.

t-Butylhydroquinone is the Food and Drug Administration's Fiscal Year 1985 priority chemical for NTP carcinogenicity testing. In accordance with established NTP policy for processing priority chemicals of the NTP participating agencies, t-butylhydroquinone will not be evaluated by the Board of Scientific Counselors but will be submitted directly to the Executive Committee for action.

Two of the seven compounds have been previously selected for some type of toxicology study by the NTP. n-Butyl acrylate was non-mutagenic in *Salmonella typhimurium* strains TA98, TA100, TA1535, and TA1537, with and without metabolic activation. The NTP has also conducted a conventional teratology stud on n-butyl acrylate. The chemical was administered orally to CD-1 mice at doses of 0, 0.1, 1.0, 1.5, 2.0, 2.5, and 3.0 g/kg/day on gestation days 6-15. Fetal malformation was observed in the 1.0 g/kg dosed group, maternal toxicity and reduced fetal weight in the 1.5 g/kg group, and increased prenatal death in the 2.5 g/kg group.

In a gavage carcinogenicity study on styrene in Fischer 344 rats and B6C3F1 mice, no evidence of carcinogenicity was obtained in male and female rats and in female mice; equivocal evidence, namely, an increased incidence of a combination of adenomas and carcinomas of the lung, was found in male mice. 1/8

Interested parties are requested to submit pertinent information.

The following types of data are of particular relevance: (1) Modes of production, present production levels, and occupational exposure potential.

(2) Uses and resulting exposure levels, where known.

(3) Completed, ongoing and/or planned toxicologic testing in the private sector including detailed experimental protocols and results in the case of completed studies.

(4) Results of toxicological studies of structurally related compounds. Please submit all information in writing by (thirty days after date of publication). Any submissions received after the above date will be accepted and utilized where possible.

Dated: January 14, 1986.

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